OIPE IAP21
JUL 03 2006
PATENT & TRADEMARK OFFICE

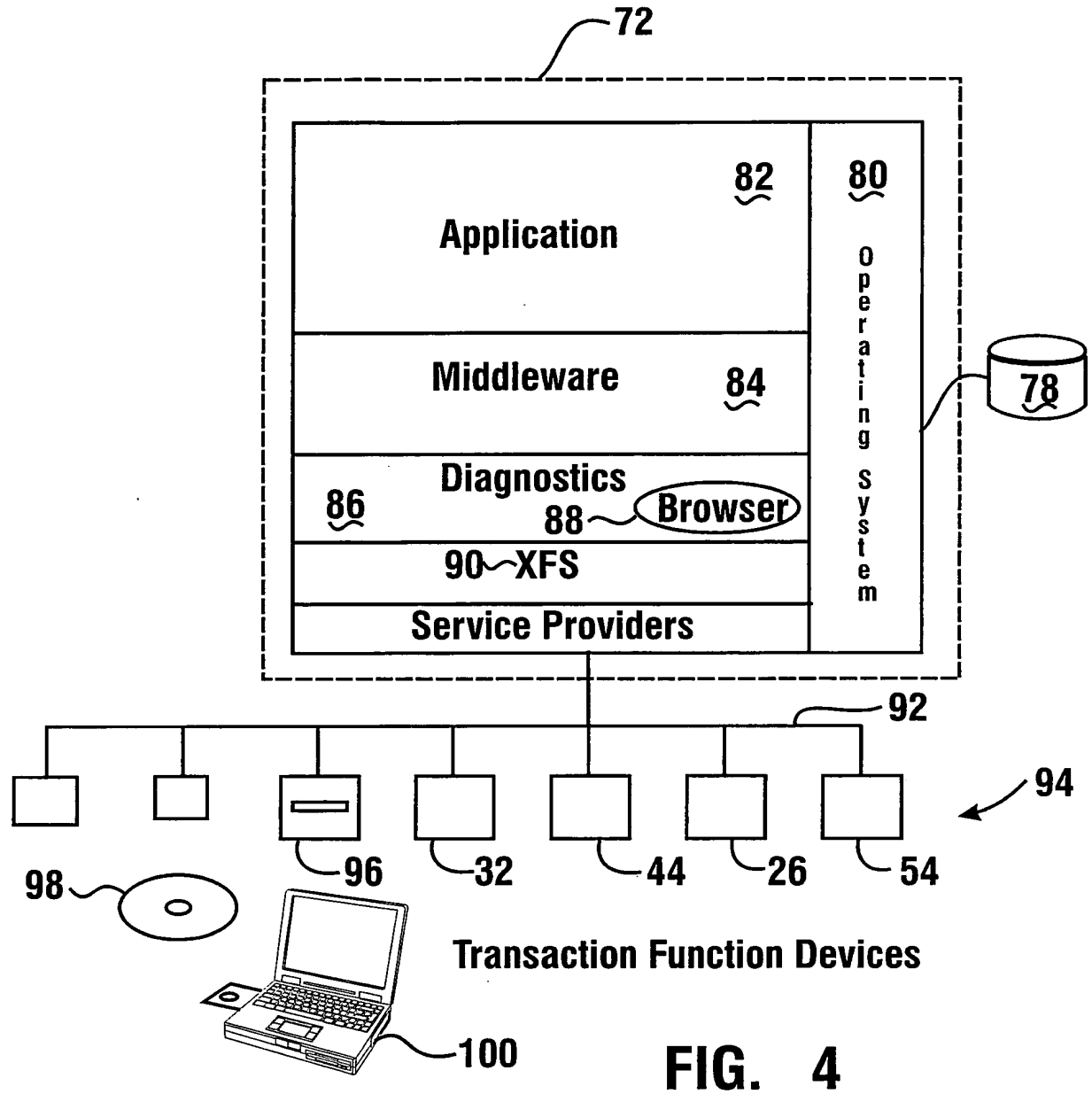

FIG. 4

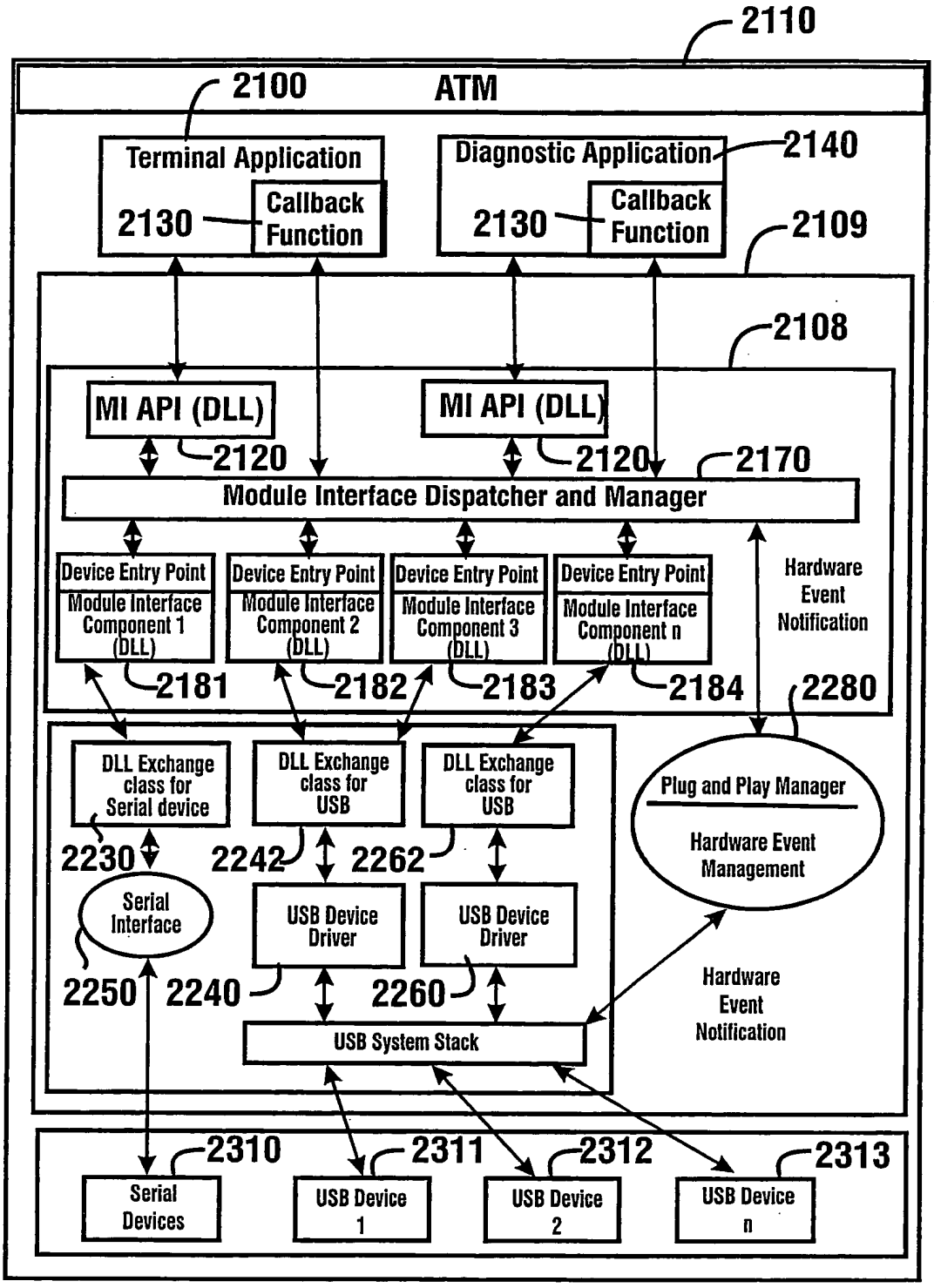
2110
2100
ATM
Terminal Application
2130
Callback Function
Diagnostic Application
2140
2130
Callback Function
2109
2108
MI API (DLL)
2120
MI API (DLL)
2120
2170
Module Interface Dispatcher and Manager
Device Entry Point
Module Interface Component 1 (DLL)
Device Entry Point
Module Interface Component 2 (DLL)
Device Entry Point
Module Interface Component 3 (DLL)
Device Entry Point
Module Interface Component n (DLL)
Hardware Event Notification
2181
2182
2183
2184
2280
DLL Exchange class for Serial device
DLL Exchange class for USB
DLL Exchange class for USB
Plug and Play Manager
Hardware Event Management
2230
2242
2262
Serial Interface
USB Device Driver
USB Device Driver
2250
2240
2260
Hardware Event Notification
USB System Stack
2310
2311
2312
2313
Serial Devices
USB Device 1
USB Device 2
USB Device n

Fig. 17

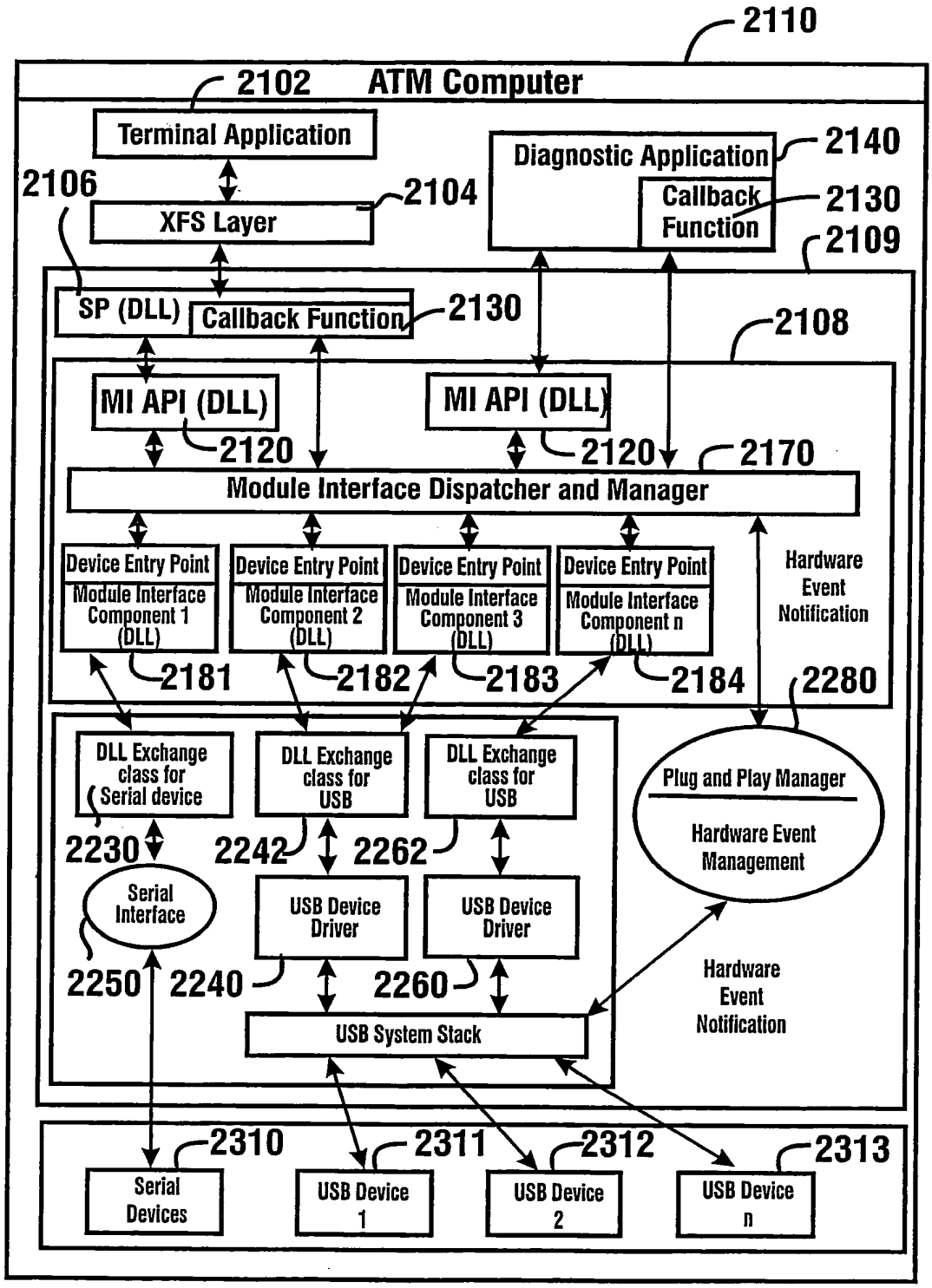
2110
2102 ATM Computer
Terminal Application
2106
XFS Layer
2104
Diagnostic Application
2140
Callback Function
2130
2109
SP (DLL)
Callback Function
2130
2108
MI API (DLL)
MI API (DLL)
2120
2120
2170
Module Interface Dispatcher and Manager
Device Entry Point
Module Interface Component 1 (DLL)
Device Entry Point
Module Interface Component 2 (DLL)
Device Entry Point
Module Interface Component 3 (DLL)
Device Entry Point
Module Interface Component n (DLL)
Hardware Event Notification
2181
2182
2183
2184
2280
DLL Exchange class for Serial device
DLL Exchange class for USB
DLL Exchange class for USB
Plug and Play Manager
Hardware Event Management
2230
2242
2262
Serial Interface
USB Device Driver
USB Device Driver
2250
2240
2260
Hardware Event Notification
USB System Stack
2310
2311
2312
2313
Serial Devices
USB Device 1
USB Device 2
USB Device n

Fig. 18

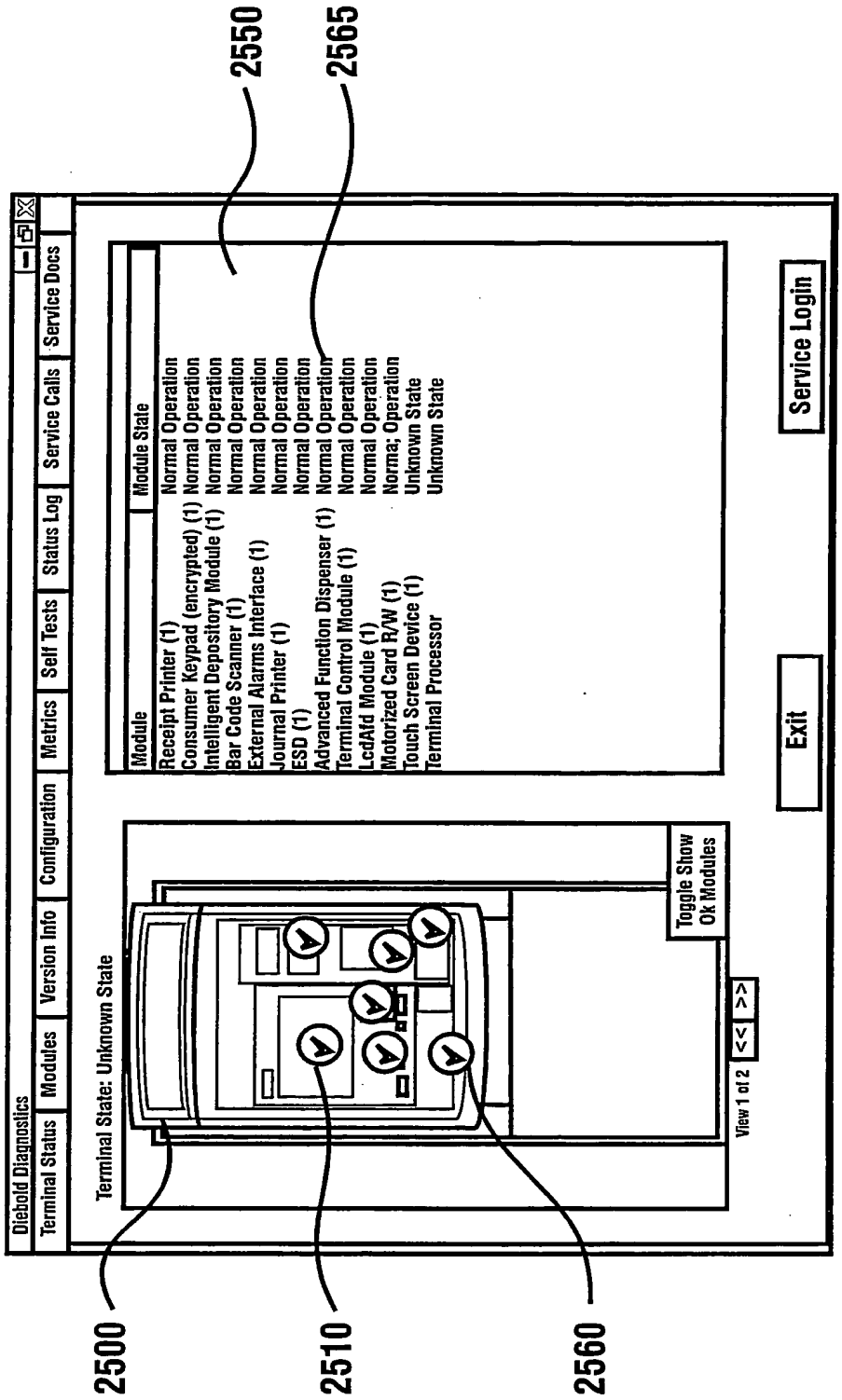
2550
2565
Diebold Diagnostics
Terminal Status
Modules
Version Info
Configuration
Metrics
Self Tests
Status Log
Service Calls
Service Docs
Terminal State: Unknown State
Module
Module State
Receipt Printer (1) Normal Operation
Consumer Keypad (encrypted) (1) Normal Operation
Intelligent Depository Module (1) Normal Operation
Bar Code Scanner (1) Normal Operation
External Alarms Interface (1) Normal Operation
Journal Printer (1) Normal Operation
ESD (1) Normal Operation
Advanced Function Dispenser (1) Normal Operation
Terminal Control Module (1) Normal Operation
LcdAfd Module (1) Normal Operation
Motorized Card R/W (1) Norma; Operation
Touch Screen Device (1) Unknown State
Terminal Processor Unknown State
Toggle Show Ok Modules
View 1 of 2
<<
>>
Exit
Service Login
2500
2510
2560

Fig. 19

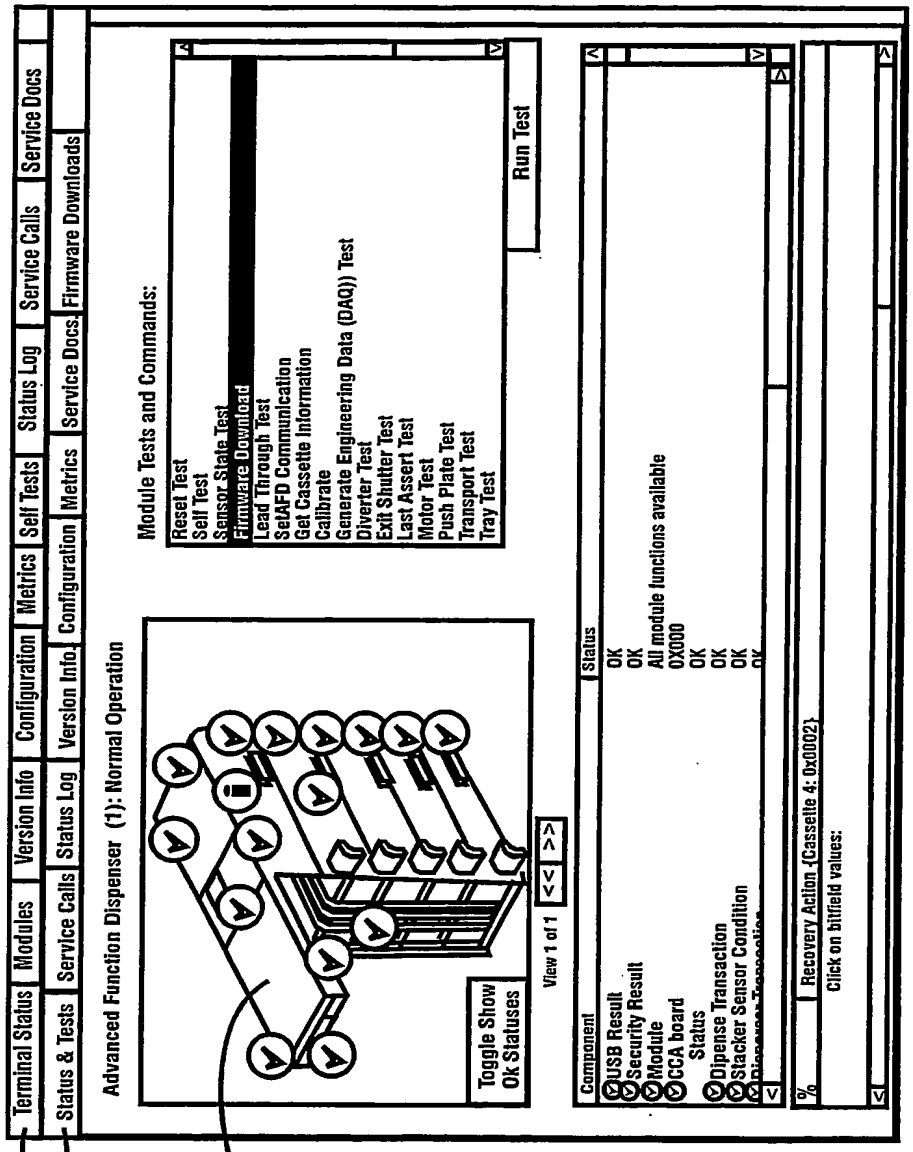
Terminal Status
Modules
Version Info
Configuration
Metrics
Self Tests
Status Log
Service Calls
Service Docs
Status & Tests
Service Calls
Status Log
Version Info
Configuration
Metrics
Self Tests
Service Docs
Firmware Downloads
Advanced Function Dispenser (1): Normal Operation
Module Tests and Commands:
Reset Test
Self Test
Sensor State Test
Firmware Download
Lead Through Test
SetAFD Communication
Get Cassette Information
Calibrate
Generate Engineering Data (DAQ)) Test
Diverter Test
Exit Shutter Test
Last Assert Test
Motor Test
Push Plate Test
Transport Test
Tray Test
Run Test
Toggle Show Ok Statuses
View 1 of 1
<<
>>
Component
Status
USB Result
OK
Security Result
OK
Module
All module functions available
CCA board
0X000
Status
OK
Dipense Transaction
OK
Stacker Sensor Condition
OK
Recovery Action (Cassette 4: 0x0002):
Click on bitfield values:
2590
2570

Fig. 20

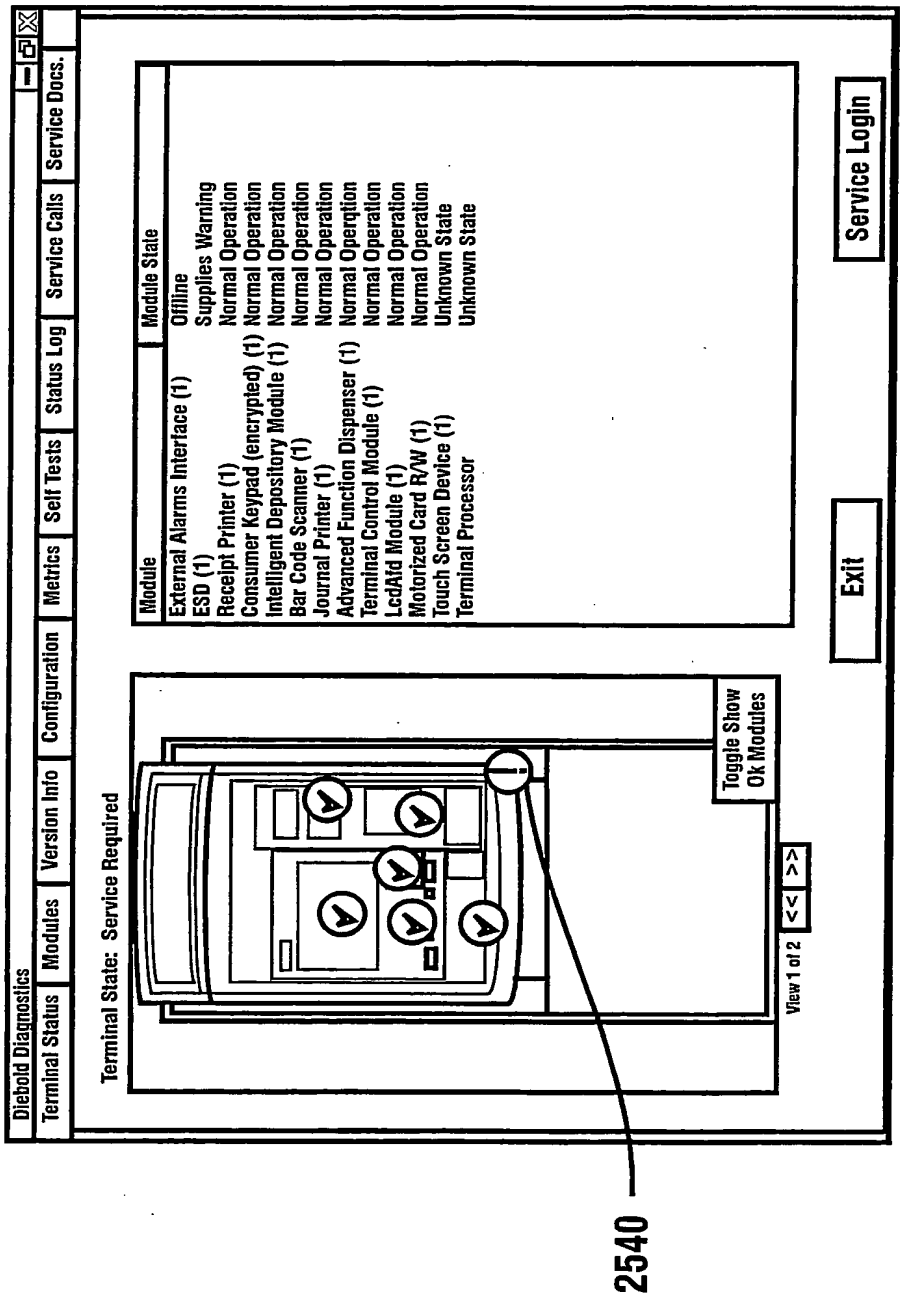
Diebold Diagnostics
Terminal Status
Modules
Version Info
Configuration
Metrics
Self Tests
Status Log
Service Calls
Service Docs.
Terminal State: Service Required
Module
Module State
External Alarms Interface (1)
Offline
ESD (1)
Supplies Warning
Receipt Printer (1)
Normal Operation
Consumer Keypad (encrypted) (1)
Normal Operation
Intelligent Depository Module (1)
Normal Operation
Bar Code Scanner (1)
Normal Operation
Journal Printer (1)
Normal Operation
Advanced Function Dispenser (1)
Normal Operation
Terminal Control Module (1)
Normal Operation
LcdAid Module (1)
Normal Operation
Motorized Card R/W (1)
Normal Operation
Touch Screen Device (1)
Unknown State
Terminal Processor
Unknown State
Toggle Show Ok Modules
View 1 of 2
<<
>>
Exit
Service Login
2540

Fig. 21

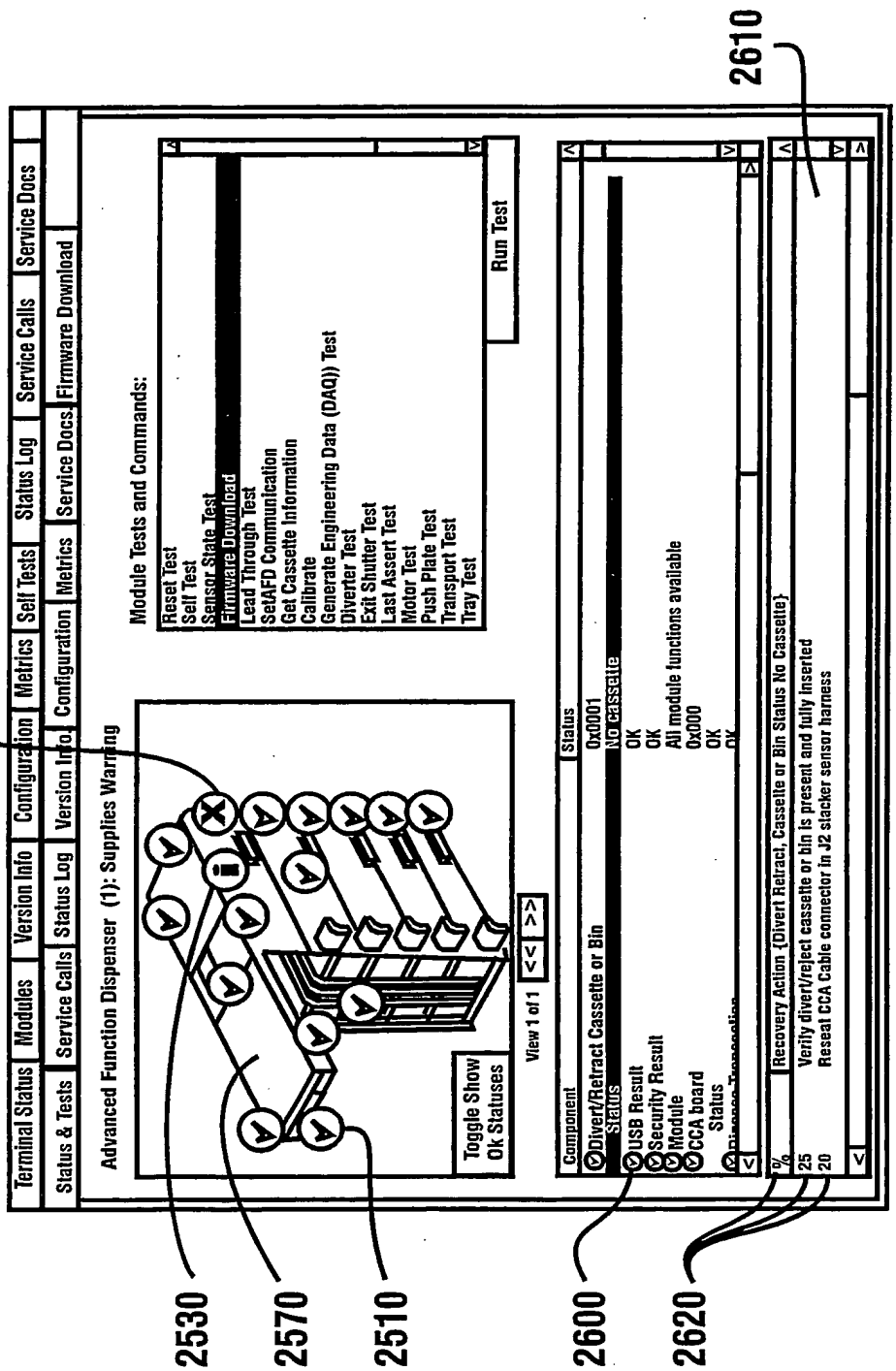
2520
2530
2570
2510
2600
2620
2610
Terminal Status
Modules
Version Info
Configuration
Metrics
Self Tests
Status Log
Service Calls
Service Docs
Status & Tests
Service Calls
Status Log
Version Info
Configuration
Metrics
Self Tests
Service Docs
Firmware Download
Advanced Function Dispenser (1): Supplies Warning
Module Tests and Commands:
Reset Test
Self Test
Sensor State Test
Firmware Download
Lead Through Test
SetAFD Communication
Get Cassette Information
Calibrate
Generate Engineering Data (DAQ)) Test
Diverter Test
Exit Shutter Test
Last Assert Test
Motor Test
Push Plate Test
Transport Test
Tray Test
Run Test
Toggle Show Ok Statuses
View 1 of 1
<<
>>
Component
Status
Divert/Retract Cassette or Bin
0x0001
Status
No cassette
USB Result
OK
Security Result
OK
Module
All module functions available
CCA board
0x000
Status
OK
OK
Recovery Action {Divert Retract, Cassette or Bin Status No Cassette}
25
Verify divert/reject cassette or bin is present and fully inserted
20
Reseat CCA Cable connector in J2 stacker sensor harness

Fig. 22

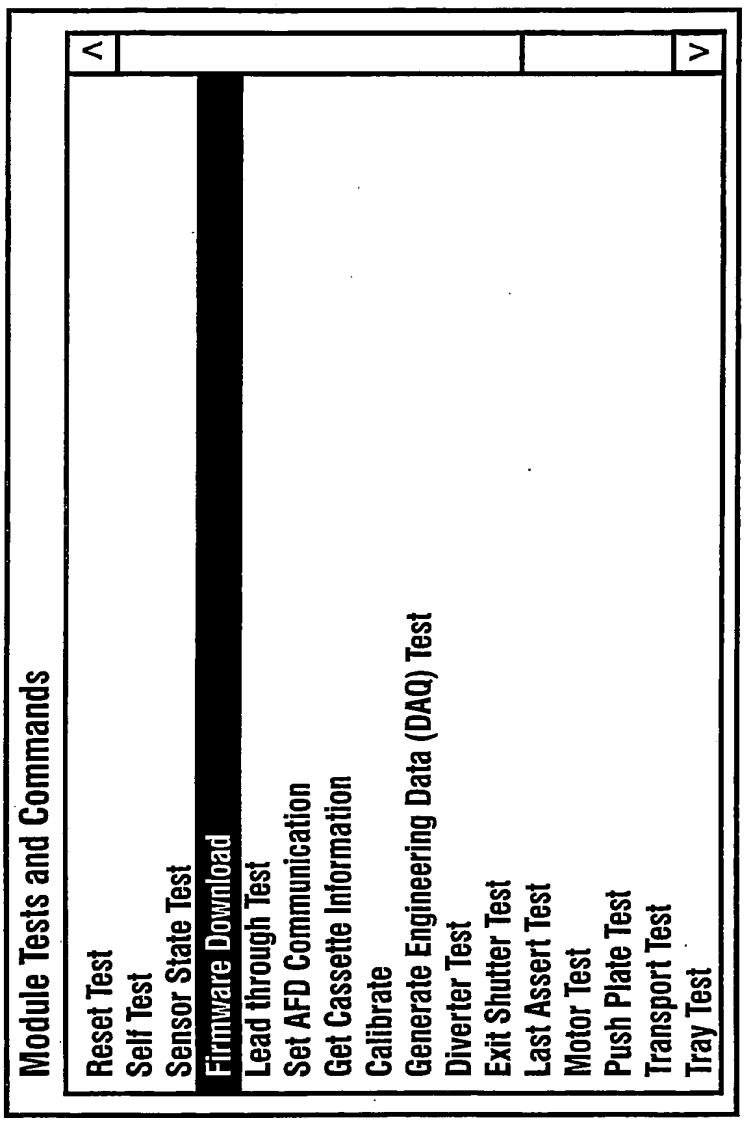
Module Tests and Commands
Reset Test
Self Test
Sensor State Test
Firmware Download
Lead through Test
Set AFD Communication
Get Cassette Information
Calibrate
Generate Engineering Data (DAQ) Test
Diverter Test
Exit Shutter Test
Last Assert Test
Motor Test
Push Plate Test
Transport Test
Tray Test

Fig. 23

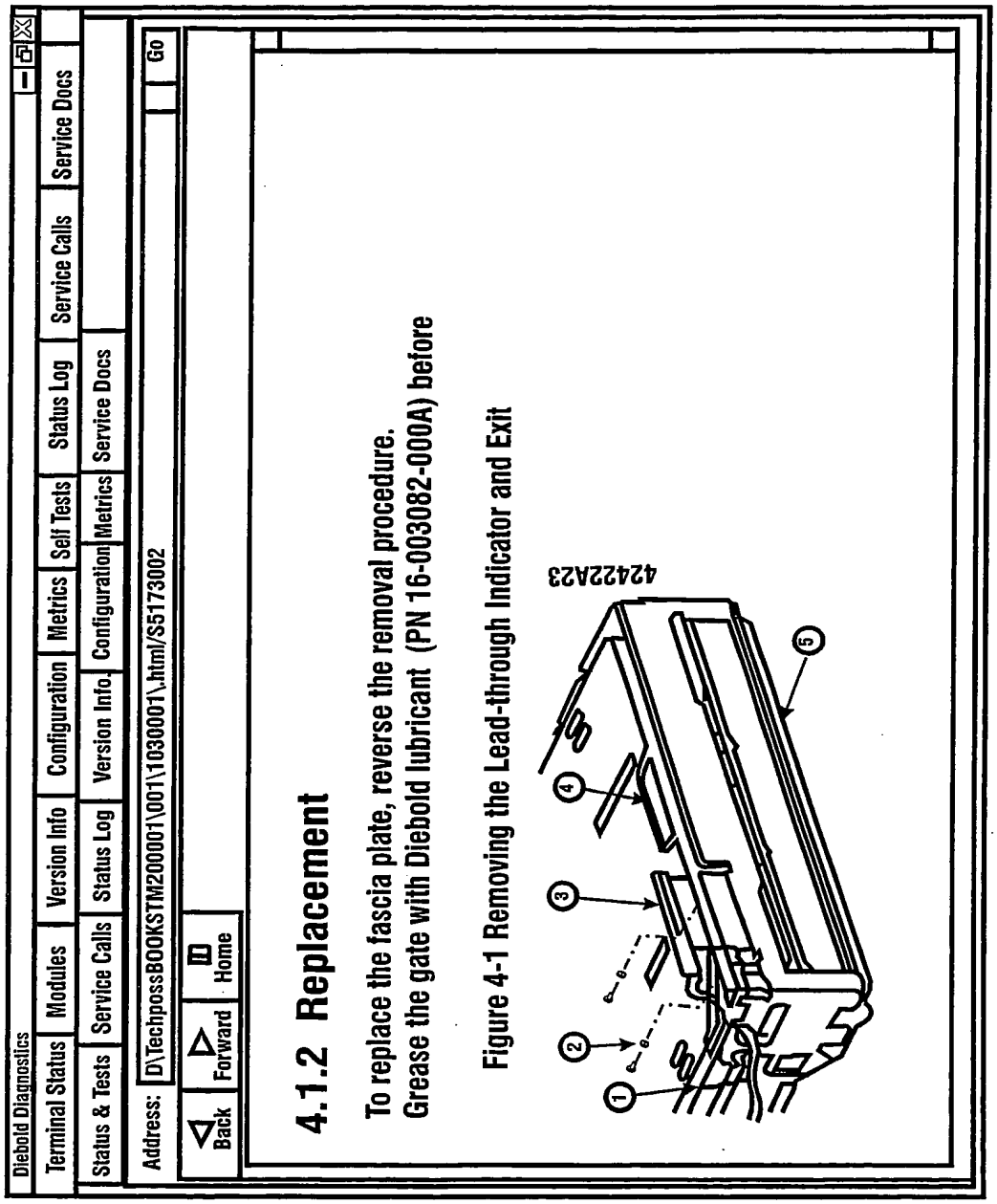
Diebold Diagnostics
Terminal Status
Modules
Version Info
Configuration
Metrics
Self Tests
Status Log
Service Calls
Service Docs
Status & Tests
Service Calls
Status Log
Version Info.
Configuration
Metrics
Service Docs
Address:
D:\TechpossBOOKSTM200001\001\10300001\.html/S5173002
Go
Back
Forward
Home
4.1.2 Replacement
To replace the fascia plate, reverse the removal procedure.
Grease the gate with Diebold lubricant (PN 16-003082-000A) before
Figure 4-1 Removing the Lead-through Indicator and Exit
4242A23
1
2
3
4
5

Fig. 24

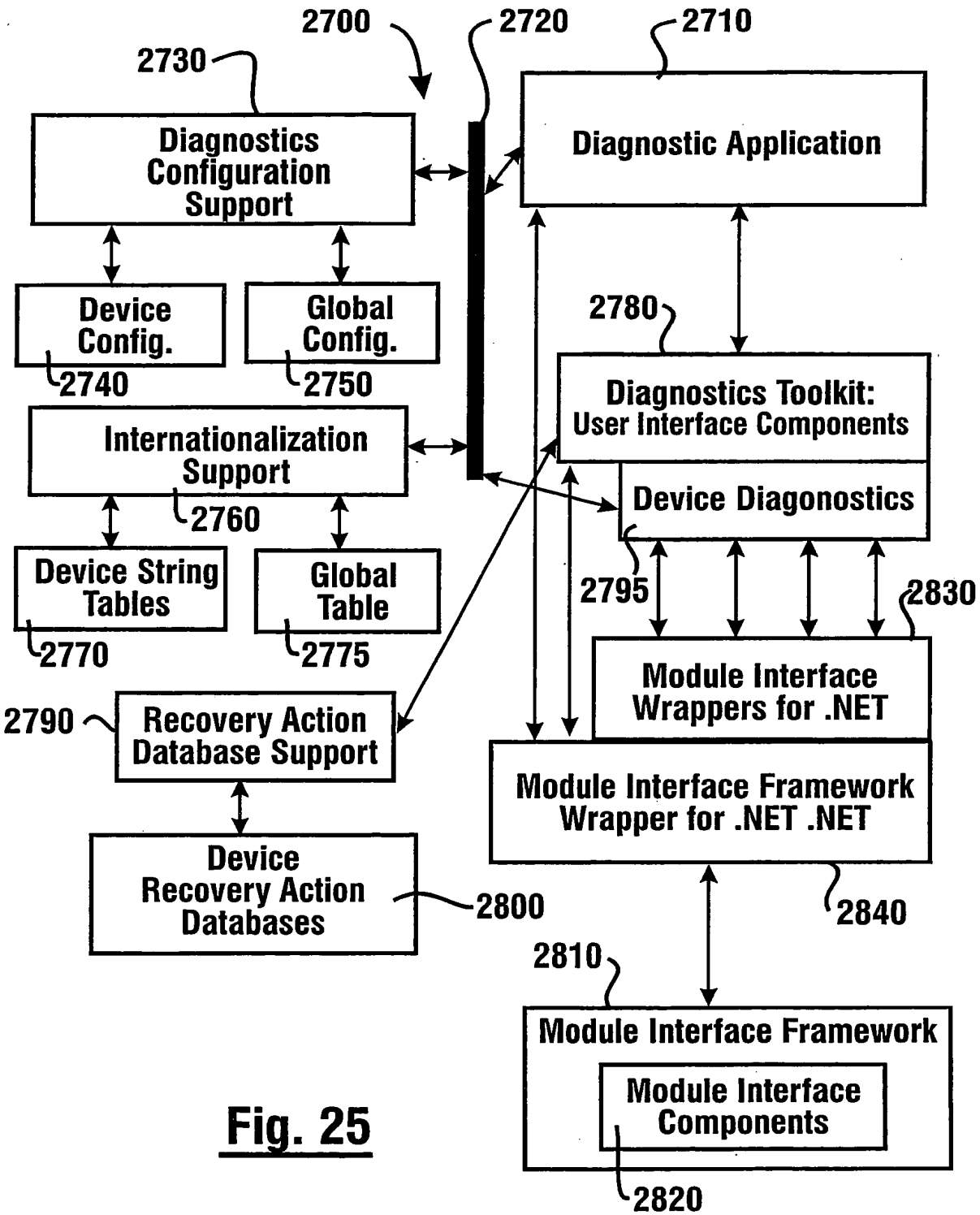
2700
2720
2710
2730
Diagnostics Configuration Support
Diagnostic Application
Device Config.
2740
Global Config.
2750
2780
Diagnostics Toolkit: User Interface Components
Internationalization Support
2760
Device Diagonostics
Device String Tables
2770
Global Table
2775
2795
2830
Module Interface Wrappers for .NET
2790
Recovery Action Database Support
Module Interface Framework Wrapper for .NET .NET
Device Recovery Action Databases
2800
2840
2810
Module Interface Framework
Module Interface Components
2820

Fig. 25

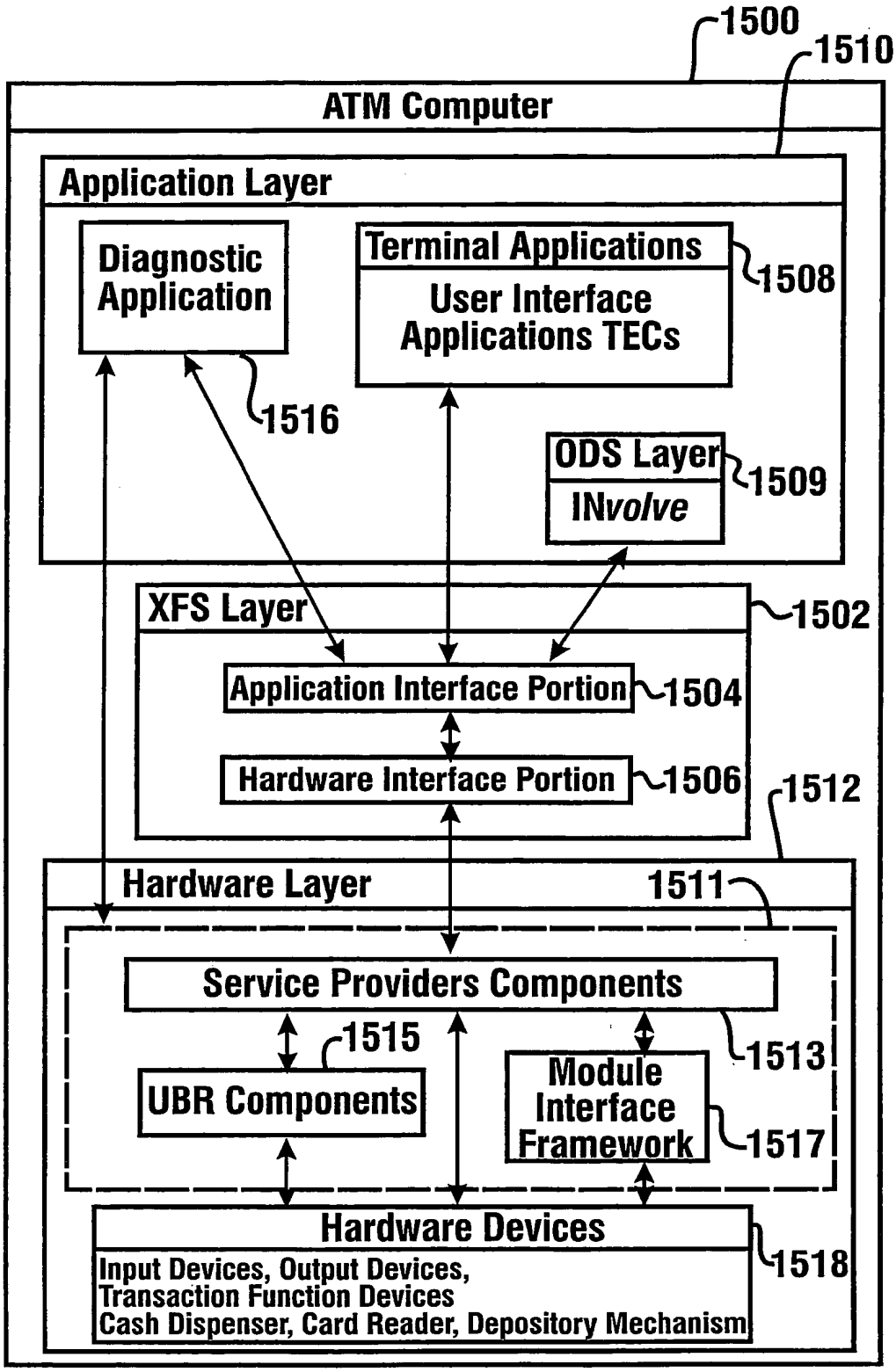
1500
1510
ATM Computer
Application Layer
Diagnostic Application
Terminal Applications
User Interface Applications TECs
1508
1516
ODS Layer
INvolve
1509
XFS Layer
1502
Application Interface Portion
1504
Hardware Interface Portion
1506
1512
Hardware Layer
1511
Service Providers Components
1515
1513
UBR Components
Module Interface Framework
1517
Hardware Devices
1518
Input Devices, Output Devices,
Transaction Function Devices
Cash Dispenser, Card Reader, Depository Mechanism

Fig. 30

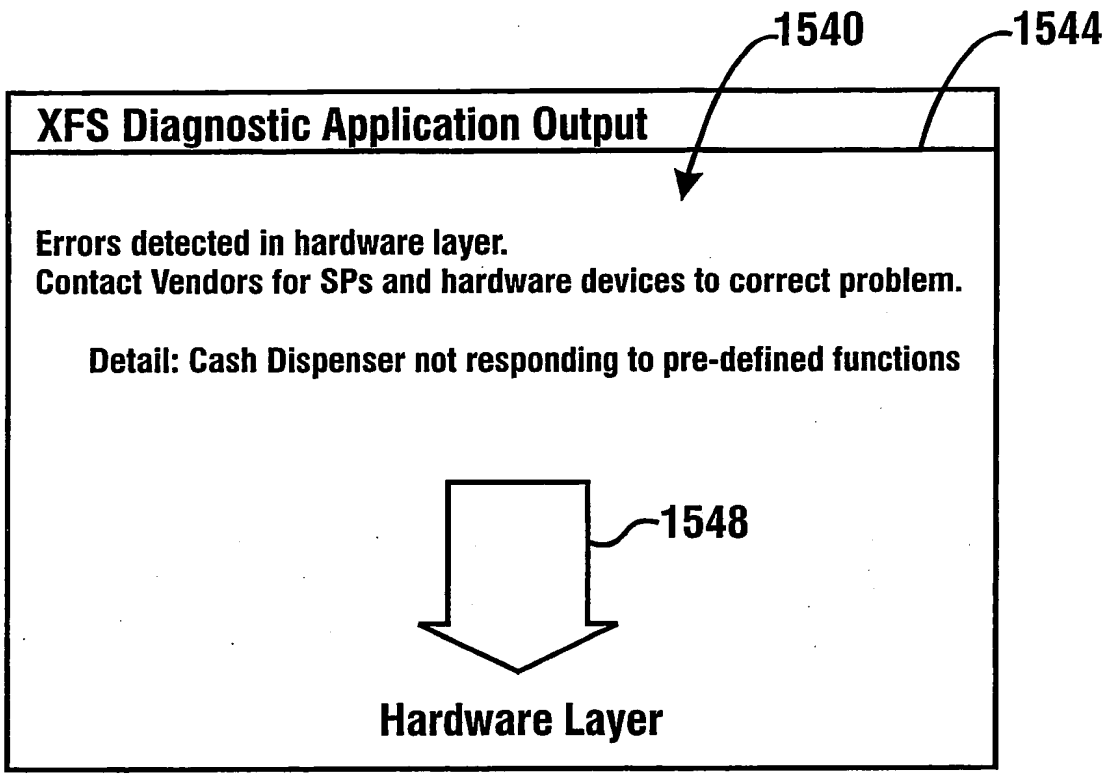
1540
1544
XFS Diagnostic Application Output
Errors detected in hardware layer.
Contact Vendors for SPs and hardware devices to correct problem.
Detail: Cash Dispenser not responding to pre-defined functions
1548
Hardware Layer

Fig. 31

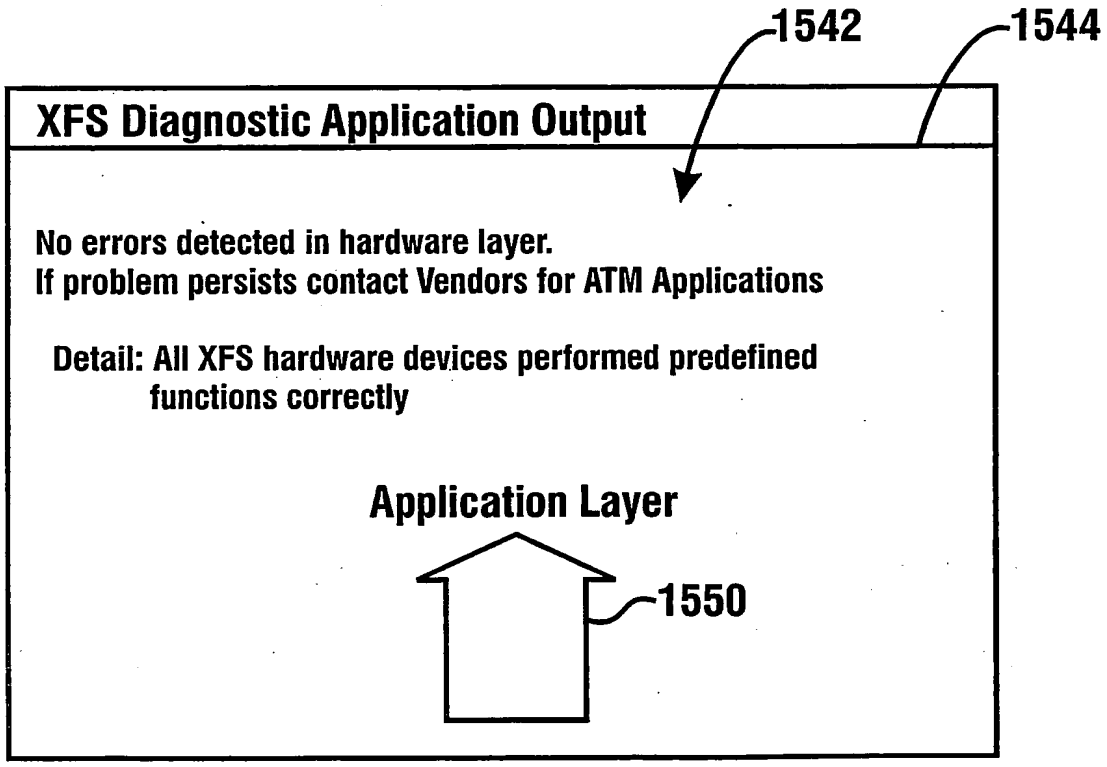
1542
1544
XFS Diagnostic Application Output
No errors detected in hardware layer.
If problem persists contact Vendors for ATM Applications
Detail: All XFS hardware devices performed predefined functions correctly
Application Layer
1550

Fig. 32

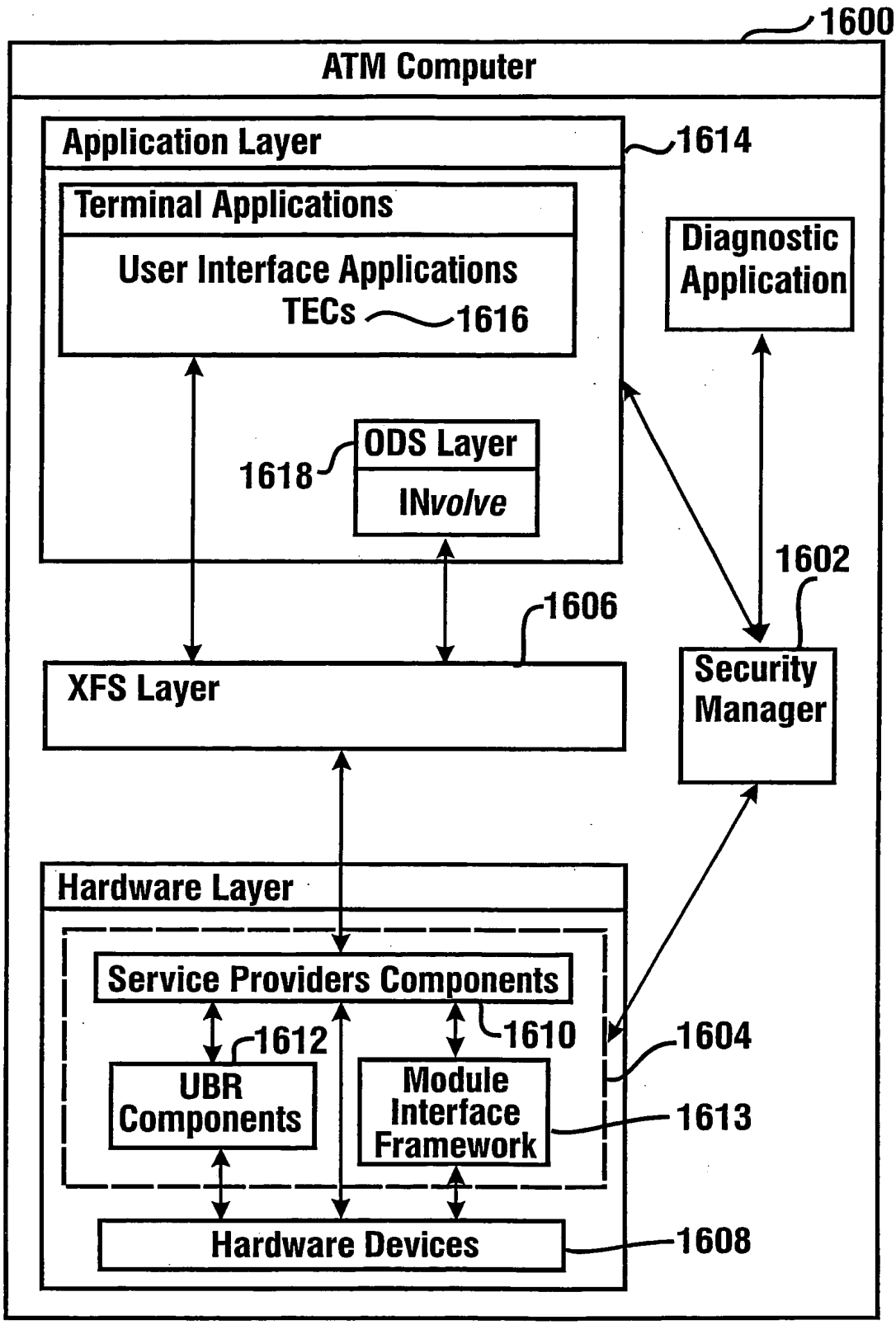
1600
ATM Computer
Application Layer
1614
Terminal Applications
User Interface Applications
TECs
1616
Diagnostic Application
1618
ODS Layer
INvolve
1602
1606
XFS Layer
Security Manager
Hardware Layer
Service Providers Components
1612
1610
1604
UBR Components
Module Interface Framework
1613
Hardware Devices
1608

Fig. 33